

**ABSTRACT OF THE DISCLOSURE**

There are provided uses of an antibody directed to CX3CR1 and fractalkine. Killer lymphocytes can be readily identified, eliminated and separated by using an anti-CX3CR1 antibody. Further, there can be provided an antibody drug for suppressing chemotaxis and cytotoxic activity of killer lymphocytes by suppressing an interaction between CX3CR1 and fractalkine.

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